

Converting Colors

CIELCh(93, 68.722, 116.583)

Have a look what the booklet for
CIELCh(93, 68.722, 116.583)
contains.

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Color

CIElCh(93, 68.729, 116.743)

Conversions

Conversions Part 1

Format	Color
Hex	D6F96F
RGB	214, 249, 111
RGB Percent	84%, 98%, 44%
CMY	0.1619, 0.0246, 0.5658
CMYK	0.14, 0.00, 0.55, 0.02
HSL	75°, 92%, 70%
HSV	75°, 55%, 98%
XYZ	64.2874, 82.9670, 27.5864
YIQ	222.8030, 23.4380, -50.3380

Conversions

Conversions Part 2

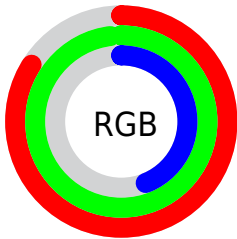
Format	Color
R _Y B	111, 249, 146
Decimal	14088559
CIE Lab	93.00, -30.93, 61.38
CIE LCh	93, 68.729, 116.743
Yxy	82.9670, 0.3677, 0.4745
Android (android.graphics.Color)	4292278639 (0xFFD6F96F)
YUV	222.8030, -55.1189, -7.7202
Hunter-Lab	91.0862, -33.4181, 45.8038

Details

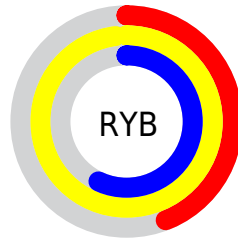
The CIELCh color **93, 68.729, 116.743** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **56, 78.746, 304.906**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 44.472, 106.780**, and **73, 68.351, 116.514** is the 20% darker color. If you saturate the color by 10%, you get **92, 79.044, 116.417**, and if you desaturate by 10%, it is **94, 57.317, 117.235**.

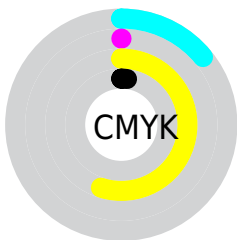
Distribution



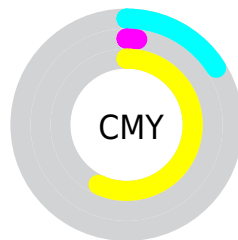
- Red (84%)
- Green (98%)
- Blue (44%)



- Red (44%)
- Yellow (98%)
- Blue (57%)



- Cyan (14%)
- Magenta (0%)
- Yellow (55%)
- Black (2%)



- Cyan (16%)
- Magenta (2%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 68.729, 116.743 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 93, 68.729, 116.743 by changing the saturation by 10% instead.


 93, 68.729,
116.743


 93, 68.729,
116.743

 100, 68.729,
116.743


 83, 68.729,
116.743

 73, 68.729,
116.743

 63, 68.729,
116.743

 53, 68.729,
116.743

 43, 68.729,
116.743

 33, 68.729,
116.743

 23, 68.729,

116.743

■ 13, 68.729,
116.743

■ 3, 68.729, 116.743

■ 93, 68.729,
116.743

■ 93, 68.729,
116.743

■ 92, 79.044,
116.417

■ 94, 57.317,
117.235

■ 92, 87.714,
116.344

■ 94, 45.208,
117.818

■ 91, 94.149,
116.634

■ 95, 32.683,
118.445

■ 91, 97.977,
117.368

■ 96, 19.925,
119.084

■ 91, 99.084,
117.806

■ 97, 7.055, 119.719

■ 98, 3.377, 307.525

■ 98, 3.912, 324.499

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



93, 68.729, 116.743



56, 78.746, 304.906

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 68.729, 116.743



93, 68.729, 166.743



93, 68.729, 296.743



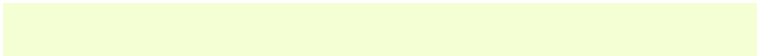
93, 68.729, 346.743

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



93, 68.730, 116.745



98, 22.322, 118.986



71, 50.123, 44.441



52, 14.922, 118.857



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 68.730, 116.745



94, 82.104, 116.385



89, 78.311, 134.232



52, 7.350, 119.465



71, 80.423, 117.584



23, 35.377, 116.455

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



56, 78.746, 304.906



50, 97.732, 306.143



64, 80.621, 319.552



48, 7.499, 300.667



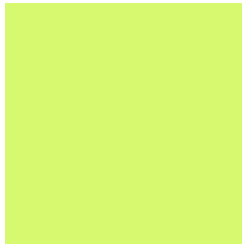
25, 104.344, 307.763



4, 42.708, 306.130

Previews

White Background



This preview shows how the CIELCh color 93, 68.729, 116.743 looks on a white background.

Color Contrast Check

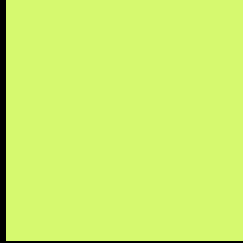
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 93, 68.729, 116.743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 68.729, 116.743

Background



This preview shows how black text looks on a background with the CIELCh color 93, 68.729, 116.743.

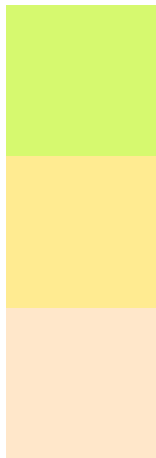


This preview shows how white text looks on a background with the CIELCh color 93, 68.729, 116.743.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

93, 68.729, 116.743

Protanopia

93, 46.307, 96.398

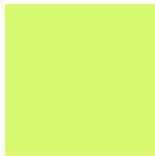
Deuteranopia

93, 17.503, 77.652

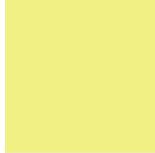


Tritanopia
93, 9.373, 282.525

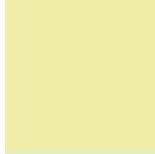
Trichromacy



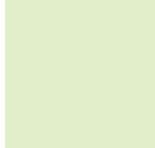
Original Color
93, 68.729, 116.743



Protanomaly
93, 53.485, 105.892



Deuteranomaly
93, 34.646, 105.446

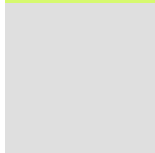


Tritanomaly
92, 20.298, 124.513

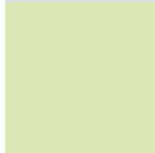
Monochromacy



Original Color
93, 68.729, 116.743



Achromatopsia
89, 0.011, 296.813



Achromatomaly
90, 26.123, 118.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 68.729, 116.743 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(214, 249, 111)` looks like.

```
.text, #text, p{  
    color:rgb(214, 249, 111)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(214, 249, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 249, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 68.729, 116.743 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(214, 249, 111) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(214, 249, 111) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(214, 249, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 249, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 249, 111);  
box-shadow:4px 4px 4px 4px rgb(214, 249,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 68.729, 116.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 249, 111) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(214,  
249, 111) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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